

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(execut\$ perform\$) adj (operation function) adj (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:37
L2	7	(execut\$ perform\$) adj2 (operation function) adj2 (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:43
L3	0	(print\$) adj (information document) adj (represent\$ describ\$) adj (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:42
L4	0	(print\$) adj2 (information document) adj (represent\$ describ\$) adj (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:42
L5	0	(print\$) adj2 (information document) adj2 (represent\$ describ\$) adj (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:42
L6	0	(print\$) adj2 (information document) adj2 (represent\$ describ\$) adj2 (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:42
L7	4	(print\$) adj2 (information document) adj2 (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 11:43
L8	12	(print\$) adj2 (information document) adj2 (((hyper adj link) hyperlink))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 11:43
L9	15	(execut\$ perform\$) adj2 (operation function) adj2 (((hyper adj link) hyperlink))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 11:49
L10	50	(map\$5 associat\$5) near (operation function button) near (((hyper adj link) hyperlink))	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 11:50
L11	25	(map\$5 associat\$5) near (operation function button) near (((hyper adj link) hyperlink))	USPAT; IBM_TDB	OR	ON	2006/01/20 12:01
L12	0	(process\$ print\$) near ((hyper adj link) hyperlink) near display\$	USPAT; IBM_TDB	OR	ON	2006/01/20 12:02
L13	8	(process\$ print\$) near ((hyper adj link) hyperlink) with display\$	USPAT; IBM_TDB	OR	ON	2006/01/20 12:03
L14	8	((process\$ print\$) near ((hyper adj link) hyperlink)) with display\$	USPAT; IBM_TDB	OR	ON	2006/01/20 12:03
L15	53732	pars\$	USPAT; IBM_TDB	OR	ON	2006/01/20 12:03

L16	8	((pars\$ process\$ print\$) near ((hyper adj link) hyperlink)) with display\$	USPAT; IBM_TDB	OR	ON	2006/01/20 12:23
L17	6	("5862321" "5937041" "6011546" "6023701" "6070176" "6356287").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 12:06
L18	0	stateless with multimedia with object	USPAT; IBM_TDB	OR	ON	2006/01/20 12:24
L19	102	stateless with object	USPAT; IBM_TDB	OR	ON	2006/01/20 12:24
L20	0	stateless with object with \$5media	USPAT; IBM_TDB	OR	ON	2006/01/20 12:24
L21	53675	limited with space	USPAT; IBM_TDB	OR	ON	2006/01/20 12:25
L22	7184	remote with database	USPAT; IBM_TDB	OR	ON	2006/01/20 12:25
L23	0	19 and 21 and 22	USPAT; IBM_TDB	OR	ON	2006/01/20 12:25
L24	208	21 and 22	USPAT; IBM_TDB	OR	ON	2006/01/20 12:25
L25	14	19 and 22	USPAT; IBM_TDB	OR	ON	2006/01/20 14:40
L26	4	19 and 21	USPAT; IBM_TDB	OR	ON	2006/01/20 12:26
L27	1	("6848075").PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2006/01/20 14:52
L28	2	EP-1089161-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/20 15:11
L29	1	2001-376564.NRAN.	DERWENT	OR	ON	2006/01/20 14:57
L30	24	("20020015042" "6032162" "6041360" "6085226" "6175842" "6269403" "6297819" "6313855" "6313855" "6314423" "6389541" "6496829" "6560640").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/20 15:12
L31	26	("20020091775" "20020165988" "20030212759" "5414494" "5852744" "5911776" "6018619" "6052730" "6085196" "6148346" "6745224" "6757714" "6775729").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/20 15:11
L32	8	((("5860074") or ("6011537") or ("6085226") or ("6122647") or ("6313855") or ("6366923") or ("6421070") or ("6505212") or ("2002001504"))).PN.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2006/01/20 15:25

L35	1	"20020001504"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 15:14
L36	1	"20020015042"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 15:14
L37	0	"print by reference"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 16:14
L38	405	print adj reference	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 15:26
L39	257	print adj reference	USPAT	OR	ON	2006/01/20 16:14
L40	36	ludwig.xa.	USPAT	OR	ON	2006/01/20 15:27
L41	0	40 and 39	USPAT	OR	ON	2006/01/20 15:28
L42	8	hillery.xa.	USPAT	OR	ON	2006/01/20 15:26
L43	9	40 and print	USPAT	OR	ON	2006/01/20 15:28
L44	0	("6938202").URPN.	USPAT	OR	ON	2006/01/20 15:33
L45	8	("5559933" "5675507" "5804803" "5819015" "5848413" "5956487" "6184996" "6707574").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 15:50
L46	124	internet adj printing adj protocol	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 15:50
L47	2	39 and 46	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/20 15:50
L48	13	("6240456").URPN.	USPAT	OR	ON	2006/01/20 15:57
L49	12	("6327045").URPN.	USPAT	OR	ON	2006/01/20 15:57
L50	12	"print-by-reference"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 16:14
L51	0	"printing-by-reference"	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 16:14
L52	1853	print\$ adj reference	USPAT	OR	ON	2006/01/20 16:15
L53	6	52 same ((retriev\$ receiv\$ get\$5) with document)	USPAT	OR	ON	2006/01/20 16:16

L54	55	(US-5963968-\$ or US-6078924-\$ or US-6122647-\$ or US-6128655-\$ or US-6167382-\$ or US-6182094-\$ or US-6185588-\$ or US-6209030-\$ or US-6236987-\$ or US-6282548-\$ or US-6285683-\$ or US-6301584-\$ or US-6301586-\$ or US-6327599-\$ or US-6351317-\$ or US-6412008-\$ or US-6437875-\$ or US-6446100-\$ or US-6470171-\$ or US-6487567-\$ or US-6515656-\$ or US-6538765-\$ or US-6567983-\$ or US-6594682-\$ or US-6596032-\$ or US-6603488-\$).did. or (US-6605120-\$ or US-6618163-\$ or US-6618824-\$ or US-6628415-\$ or US-6665860-\$ or US-6674539-\$ or US-6674992-\$ or US-6678500-\$ or US-6683629-\$ or US-6684053-\$ or US-6690481-\$ or US-6725429-\$ or US-6738841-\$ or US-6772139-\$ or US-6871043-\$ or US-6874122-\$ or US-6055522-\$ or US-6507410-\$ or US-6366923-\$ or US-6421070-\$ or US-6505212-\$ or US-6085226-\$ or US-6011537-\$ or US-5860074-\$ or US-6938202-\$ or US-6327045-\$ or US-6240456-\$).did. or (US-5845057-\$ or US-6385728-\$). did.	USPAT	OR	ON	2006/01/20 17:14
L55	25	("5963968" "6122647" "6167382" "6236987" "6282548" "6301584" "6301586" "6327599" "6351317" "6446100" "6470171" "6538765" "6605120" "6618163" "6618824" "6628415" "6674539" "6674992" "6678500" "6683629" "6684053" "6690481" "6738841" "6772139" "6871043").PN.	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 17:14
L56	30	54 not 55	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 17:14
L57	0	54 and (reciev\$ adj document)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 17:26
L58	11	54 and (receiv\$ adj document)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 17:27
L59	24	54 and (receiv\$ with document)	US-PGPUB; USPAT; IBM_TDB	OR	ON	2006/01/20 17:28



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1 [Requirements and design goals for an Internet printing protocol](#)



F. D. Wright

December 1998 **StandardView**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: [pdf\(85.77 KB\)](#) Additional Information: [full citation](#), [references](#)



2 [Interoperability testing for the Internet printing protocol](#)



Peter Zehler

December 1998 **StandardView**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: [pdf\(67.81 KB\)](#) Additional Information: [full citation](#), [references](#)



3 [A model for Internet printing](#)



Scott Isaacson

December 1998 **StandardView**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: [pdf\(519.77 KB\)](#) Additional Information: [full citation](#)



4 [Internet printing protocol \(IPP\) encoding and transport](#)



Carl Kugler, Harry Lewis

December 1998 **StandardView**, Volume 6 Issue 4

Publisher: ACM Press

Full text available: [pdf\(399.88 KB\)](#) Additional Information: [full citation](#), [references](#)



5 [The information age and the printing press: looking backward to see ahead](#)



James A. Dewar

August 2000 **Ubiquity**, Volume 1 Issue 25

Publisher: ACM Press

Full text available: [html\(112.11 KB\)](#) Additional Information: [full citation](#), [index terms](#)



6 [Intriguing technology from OOPSLA: Programming dynamically reconfigurable open systems with SALSA](#)




Carlos Varela, Gul Agha

December 2001 **ACM SIGPLAN Notices**, Volume 36 Issue 12



Publisher: ACM Press

Full text available:  [pdf\(1.58 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Applications running on the Internet, or on limited-resource devices, need to be able to adapt to changes in their execution environment at run-time. Current languages and systems fall short of enabling developers to migrate and reconfigure application sub-components at program-execution time. In this paper, we describe essential aspects of the design and implementation of SALSA, an actor-based language for mobile and Internet computing. SALSA simplifies programming dynamically reconfigurable, op ...


Keywords: SALSA, actors, continuations, internet, java, mobile computing, network computing, open systems, programming languages

7 The Satchel system architecture: mobile access to documents and services

Mike Flynn, David Pendlebury, Chris Jones, Marge Eldridge, Mik Lamming

December 2000 **Mobile Networks and Applications**, Volume 5 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(207.51 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Mobile professionals require access to documents and document-related services, such as printing, wherever they may be. They may also wish to give documents to colleagues electronically, as easily as with paper, face-to-face, and with similar security characteristics. The Satchel system provides such capabilities in the form of a mobile browser, implemented on a device that professional people would be likely to carry anyway, such as a pager or mobile phone. Printing may be per ...

8 The internet as an engine of scholarship

Joseph S. Fulda

March 2000 **ACM SIGCAS Computers and Society**, Volume 30 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(1.21 MB\)](#)


Additional Information: [full citation](#)

9 Papers: mmdump: a tool for monitoring internet multimedia traffic

Jacobus van der Merwe, Ramón Cáceres, Yang-hua Chu, Cormac Sreenan

October 2000 **ACM SIGCOMM Computer Communication Review**, Volume 30 Issue 5

Publisher: ACM Press

Full text available:  [pdf\(1.14 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)


Internet multimedia traffic is increasing as applications like streaming media and packet telephony grow in popularity. It is important to monitor the volume and characteristics of this traffic, particularly because its behavior in the face of network congestion differs from that of the currently dominant TCP traffic. To monitor traffic on a high-speed link for extended periods, it is not practical to blindly capture all packets that traverse the link. We present *mmdump*, a tool that parse ...

10 Personal distributed computing: the Alto and Ethernet software

Butler Lampson



January 1986 **Proceedings of the ACM Conference on The history of personal workstations**


Publisher: ACM Press

Full text available:  [pdf\(3.00 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The personal distributed computing system based on the Alto and the Ethernet was a major effort to make computers help people to think and communicate. The paper describes the complex and diverse collection of software that was built to pursue this goal, ranging from operating systems, programming environments, and communications software to printing and file servers, user interfaces, and applications such as editors, illustrators, and mail systems.


- 11 Satchel: providing access to any document, any time, anywhere 
 Mik Lamming, Marge Eldridge, Mike Flynn, Chris Jones, David Pendlebury
September 2000 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 7
Issue 3
Publisher: ACM Press



Full text available:  [pdf\(591.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Current solutions for providing access to electronic documents while away from the office do not meet the special needs of mobile document workers. We describe "Satchel," a system that is designed specifically to support the distinctive features of mobile document work. Satchel is designed to meet the following five high-level design goals (1) easy access to document services; (2) timely document access; (3) streamlined user interface; (4) ubiquity; and (5) compliance with security ...

Keywords: document access, document appliance, document processing, information appliance, mobile computing, mobile work

- 12 Level II technical support in a distributed computing environment 
 Tim Leehane
September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**



Publisher: ACM Press
Full text available:  [pdf\(5.73 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)


- 13 Extracting usability information from user interface events 
 David M. Hilbert, David F. Redmiles
December 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 4

Publisher: ACM Press
Full text available:  [pdf\(1.50 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Modern window-based user interface systems generate user interface events as natural products of their normal operation. Because such events can be automatically captured and because they indicate user behavior with respect to an application's user interface, they have long been regarded as a potentially fruitful source of information regarding application usage and usability. However, because user interface events are typically voluminous and rich in detail, automated support is generally ...

Keywords: human-computer interaction, sequential data analysis, usability testing, user interface event monitoring

- 14 The open archives initiative: building a low-barrier interoperability framework 
 Carl Lagoze, Herbert Van de Sompel
January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries**


Publisher: ACM Press
Full text available:  [pdf\(356.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Open Archives Initiative (OAI) develops and promotes interoperability solutions that aim to facilitate the efficient dissemination of content. The roots of the OAI lie in the E-Print community. Over the last year its focus has been extended to include all content providers. This paper describes the recent history of the OAI - its origins in promoting E-Prints, the broadening of its focus, the details of its technical standard for metadata harvesting, the applications of this standard, ...

Keywords: digital libraries, interoperability, metadata, protocols

- 15 Fast detection of communication patterns in distributed executions

Publisher: IBM Press

Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

16 People, places, things: web presence for the real world

Tim Kindberg, John Barton, Jeff Morgan, Gene Becker, Debbie Caswell, Philippe Debaty, Gita Gopal, Marcos Frid, Venky Krishnan, Howard Morris, John Schettino, Bill Serra, Mirjana Spasojevic

October 2002 **Mobile Networks and Applications**, Volume 7 Issue 5


Publisher: Kluwer Academic Publishers

Full text available:  [pdf\(248.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The convergence of Web technology, wireless networks, and portable client devices provides new design opportunities for computer/communications systems. In the HP Labs' "Cooltown" project we have been exploring these opportunities through an infrastructure to support "web presence" for people, places and things. We put web servers into things like printers and put information into web servers about things like artwork; we group physically related things into places embodied in web servers. Using ...


Keywords: location-aware computing, nomadic computing, physical-virtual linkage, ubiquitous computing, world wide web

17 Accessing relational databases from the World Wide Web

 Tam Nguyen, V. Srinivasan


June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data SIGMOD '96**, Volume 25 Issue 2

Publisher: ACM Press

Full text available:  [pdf\(1.45 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



With the growing popularity of the internet and the World Wide Web (Web), there is a fast growing demand for access to database management systems (DBMS) from the Web. We describe here techniques that we invented to bridge the gap between HTML, the standard markup language of the Web, and SQL, the standard query language used to access relational DBMS. We propose a flexible general purpose variable substitution mechanism that provides cross-language variable substitution between HTML input and S ...

18 The decay and failures of web references

 Diomidis Spinellis


January 2003 **Communications of the ACM**, Volume 46 Issue 1

Publisher: ACM Press

Full text available:  [pdf\(137.19 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
 [html\(36.74 KB\)](#)

Attempting to determine how quickly archival information becomes outdated.

19 Network Protocols

 Andrew S. Tanenbaum

December 1981 **ACM Computing Surveys (CSUR)**, Volume 13 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(3.37 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


20 Where campus meets the Internet: a universally accessible online documentation system



Susan Topol, Mark Smith, Suzanne Schluederberg

February 1996 **Proceedings of the 13th annual international conference on Systems documentation: emerging from chaos: solutions for the growing complexity of our jobs**

Publisher: ACM Press





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